

**Cranes - Equipment for the lifting of persons - Part 1:
Suspended baskets**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14502-1:2010 sisaldab Euroopa standardi EN 14502-1:2010 ingliskeelset teksti.

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English Version

Cranes - Equipment for the lifting of persons - Part 1: Suspended baskets

Appareils de levage à charge suspendue - Equipements
pour le levage de personnes - Partie 1: Nacelles
suspendues

Krane - Einrichtungen zum Heben von Personen - Teil 1:
Hängende Personenaufnahmemittel

This European Standard was approved by CEN on 16 April 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 List of significant hazards	6
5 Safety requirements and/or protective measures	6
5.1 General requirements.....	6
5.2 Strength calculations	7
5.3 Load lifting attachments	7
5.4 Floor	9
5.5 Inclination	9
5.6 Side guarding	10
5.7 Access and exit.....	11
5.8 Anchorage for personal protective equipment against fall from a height.....	11
6 Verification of safety requirements and/or protective measures	12
7 Instruction manual.....	12
7.1 General.....	12
7.2 Information for the user	13
7.3 Information for the crane driver	13
7.4 Information for the personnel in the basket	13
7.5 Special requirements related to the work from the suspended basket	14
8 Marking	14

Foreword

This document (EN 14502-1:2010) has been prepared by Technical Committee CEN/TC 147 “Cranes - Safety”, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14502-1:2005.

This European Standard is the first part of EN 14502. The other part is as follows:

EN 14502-2, *Cranes — Equipment for the lifting of persons — Part 2: Elevating control stations.*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Standard deals with suspended basket for use in lifting operation of persons with machinery which is not designated for lifting of persons.

The use of such suspended basket is not covered by Machinery Directive 2006/42/EC but by the regulations which apply to the user.

Care is necessary as the regulations which apply to the user are not the same in the various countries of the European Union. The national regulations are based on Directive 2009/104/EC, which gives minimum requirements.

The lifting of persons with machines not designed for that purpose is dealt with in annex II, article 3.1.2 of that directive, which prescribes:

"Persons may be lifted only by means of work equipment and accessories provided for this purpose.

Without prejudice to Article 5 of Directive 89/391/EEC, exceptionally, work equipment which is not specifically designed for the purpose of lifting persons may be used to this effect, provided appropriate action has been taken to ensure safety in accordance with national legislation and/or practice laying down appropriate supervision.

While workers are on work equipment designed for lifting loads the control position must be manned at all times. Persons being lifted must have reliable means of communication. In the event of danger, there must be reliable means of evacuating them."

The national legislation and/or practice, referred to in the second paragraph of section 3.1.2, may set out the conditions under which such exceptional use is permitted, the measures that must be taken to ensure the safety of the operation and technical requirements for the equipment used.

Such obligations apply to the users, but they also have implications for persons placing the equipment used for this purpose on the market in the country concerned since they must take account of the relevant legislation.

This standard is a technical document to help the designer of suspended baskets used with machines not designed for lifting of persons.

This standard was not prepared under a mandate given to CEN by the European Commission and cannot be considered as a means of conforming the Essential Requirements of the New Approach Machinery Directive 2006/42/EC.

1 Scope

This European Standard applies to baskets suspended on cranes.

This European Standard does not cover the controls for the movement of the basket.

This European Standard is not applicable to:

- lifts for crane drivers;
- moveable cabins.

This European Standard deals with all significant hazards, hazardous situations and events relevant to suspended baskets, when used as intended and under conditions foreseen by the manufacturer (see Clause 4).

The significant hazards covered by this document are identified in Clause 4.

This European Standard is not applicable to suspended baskets which are manufactured before the date of publication by CEN.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 795, *Protection against falls from a height — Anchor devices — Requirements and testing*

EN 818-4, *Short link chain for lifting purposes — Safety — Part 4: Chain slings — Grade 8*

EN 13411-1, *Terminations for steel wire ropes — Safety — Part 1: Thimbles for steel wire rope slings*

EN 13411-2, *Terminations for steel wire ropes — Safety — Part 2: Splicing of eyes for wire rope slings*

EN 13411-3, *Terminations for steel wire ropes — Safety — Part 3: Ferrules and ferrule-securing*

EN 13414-1, *Steel wire rope slings — Safety — Part 1: Slings for general lifting service*

EN 13586:2004+ A1:2008, *Cranes — Access*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

suspended basket

arrangement designed for the lifting of persons by a crane